

IFW16

RAW SEQUENCE LISTING DATE: 07/30/2004
PATENT APPLICATION: US/09/967,237A TIME: 12:24:38

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\07302004\I967237A.raw

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3 <110> APPLICANT: Zavada, Jan
        Pastorekova, Silvia
        Pastorek, Jaromir
 7 <120> TITLE OF INVENTION: MN Gene and Protein
9 <130> FILE REFERENCE: D-0021.5B-2
11 <140> CURRENT APPLICATION NUMBER: 09/967,237A
12 <141> CURRENT FILING DATE: 2001-09-27
14 <150> PRIOR APPLICATION NUMBER: 09/178,115
15 <151> PRIOR FILING DATE: 1998-10-23
17 <160> NUMBER OF SEQ ID NOS: 116
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68	Gln	Asn	Asn	Ala	His	Ara	Asp	Lvs	Glu	Gly	asp	Asp	Gln	Ser	His	Trp	
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77					125					130	~~~	++~	~~~	at a		aaa	579
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12		- +-	- <i>- I</i>	300		1			305					310			
		7 C+	പ ചെ		-	מ כפכ	r ete	: cac			a tai	t qa	c acc			g gga	1107
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12		, <u>11</u> C1	31		~ y =	, ,,,,,,		320					325			1	
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	Ala																
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	Gly																1305
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149		410		. 4 4	- ~~~.	~~ ~4	415			. ~ ~ ~ ~	. ~ . ~		- at a	200	7007	ragaat	1440
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DATE: 07/30/2004

TIME: 12:24:38

Output Set: N:\CRF4\07302004\I967237A.raw 274 <213> ORGANISM: HUMAN 276 <220> FEATURE: 277 <221> NAME/KEY: gene 278 <222> LOCATION: (1)..(10898) 279 <223> OTHER INFORMATION: full-length MN genomic sequence 281 <220> FEATURE: W--> 282 <221> NAME/KEY: unsure of base at position 1974 283 <222> LOCATION: (1974) 284 <223> OTHER INFORMATION: unsure of base at position 1974, which is in the 5' region flanking the transcription initiation site (3507) as determined by RNase protection assay. 285 287 <400> SEQUENCE: 5 288 ggatcctgtt gactcgtgac cttaccccca accctgtgct ctctgaaaca tgagctgtgt 60 289 ccactcaggg ttaaatggat taagggcggt gcaagatgtg ctttgttaaa cagatgcttg 120 290 aaggcagcat gctcgttaag agtcatcacc aatccctaat ctcaagtaat cagggacaca 180 291 aacactgegg aaggeegeag ggteetetge etaggaaaac eagagacett tgtteaettg 240 292 tttatctgac cttccctcca ctattgtcca tgaccctgcc aaatccccct ctgtgagaaa 300 294 aaaaaaaaa gacttacgaa tagttattga taaatgaata gctattggta aagccaagta 420 295 aatgatcata ttcaaaacca gacggccatc atcacagctc aagtctacct gatttgatct 480 296 ctttatcatt gtcattcttt ggattcacta gattagtcat catcctcaaa attctccccc 540 297 aagttetaat taegtteeaa acatttaggg gttacatgaa gettgaacet actaeettet 600 298 ttgcttttga gccatgagtt gtaggaatga tgagtttaca ccttacatgc tggggattaa 660 299 tttaaacttt acctctaagt cagttgggta gcctttggct tatttttgta gctaattttg 720 300 tagttaatgg atgcactgtg aatcttgcta tgatagtttt cctccacact ttgccactag 780 301 gggtaggtag gtactcagtt ttcagtaatt gcttacctaa gaccctaagc cctatttctc 840 302 ttgtactggc ctttatctgt aatatgggca tatttaatac aatataattt ttggagtttt 900 303 tttgtttgtt tgtttgtttg tttttttgag acggagtctt gcatctgtca tgcccaggct 960 304 ggaqtaqcag tggtgccatc teggetcact geaageteea ceteeegagt teaegeeatt 1020 305 tteetqeete aqeeteeeqa qtagetqqqa etaeaqgege eegeeaceat geeeggetaa 1080 306 ttttttgtat ttttggtaga gacggggttt caccgtgtta gccagaatgg tctcgatctc 1140 307 ctgaettegt gatecaeeeg eeteggeete eeaaagttet gggattaeag gtgtgageea 1200 308 ccgcacctgg ccaattttt gagtctttta aagtaaaaat atgtcttgta agctggtaac 1260 309 tatggtacat ttccttttat taatgtggtg ctgacggtca tataggttct tttgagtttg 1320 310 gcatgcatat gctacttttt gcagtccttt cattacattt ttctctcttc atttgaagag 1380 311 catqttatat cttttagctt cacttggctt aaaaqgttct ctcattagcc taacacagtg 1440 312 tcattgttgg taccacttgg atcataagtg gaaaaacagt caagaaattg cacagtaata 1500 313 cttgtttgta agagggatga ttcaggtgaa tctgacacta agaaactccc ctacctgagg 1560 314 totgagatto ototgacatt gotgtatata ggottttoot ttgacagoot gtgactgogg 1620 315 actatttttc ttaaqcaaqa tatqctaaaq ttttqtgagc ctttttccag agagaggtct 1680 316 catatetgea teaagtgaga acatataatg tetgeatgtt teeatattte aggaatgttt 1740 317 gettgtgttt tatgetttta tatagacagg gaaacttgtt ceteagtgac ccaaaagagg 1800 318 tgggaattgt tattggatat catcattggc ccacgctttc tgaccttgga aacaattaag 1860 319 ggttcataat ctcaattctg tcagaattgg tacaagaaat agctgctatg tttcttgaca 1920 W--> 320 ttccacttgg taggaaataa gaatgtgaaa ctcttcagtt ggtgtgtgtc cctngttttt 1980 321 ttgcaatttc cttcttactg tgttaaaaaa aagtatgatc ttgctctgag aggtgaggca 2040 322 ttcttaatca tgatctttaa agatcaataa tataatcctt tcaaggatta tgtctttatt 2100 323 ataataaaga taatttgtct ttaacagaat caataatata atcccttaaa ggattatatc 2160 324 tttgctgggc gcagtggctc acacctgtaa tcccagcact ttgggtggcc aaggtggaag 2220 325 gatcaaattt gcctacttct atattatctt ctaaagcaga attcatctct cttccctcaa 2280

RAW SEQUENCE LISTING

Input Set : A:\PTO.DA.txt

PATENT APPLICATION: US/09/967,237A

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/967,237A

DATE: 07/30/2004 TIME: 12:24:39

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\07302004\I967237A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:5; N Pos. 1974
Seq#:25; Xaa Pos. 3,4
Seq#:26; Xaa Pos. 3,4
Seq#:58; N Pos. 1968
Seq#:90; N Pos. 1968
Seq#:110; N Pos. 647

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:25; Line(s) 698 Seq#:26; Line(s) 714,720

Seq#:58; Line(s) 1368,1369,1370 Seq#:90; Line(s) 1806,1808 Seq#:110; Line(s) 2104,2110,2111

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/967,237A

DATE: 07/30/2004 TIME: 12:24:39

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\07302004\1967237A.raw

L:282 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5 L:320 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:1920 L:517 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9 L:641 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (21) SEQUENCE: L:696 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25 L:702 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0 L:718 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26 L:724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0 L:1363 M:259 W: Allowed number of lines exceeded, <223> Other Information: L:1366 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:58 L:1372 M:259 W: Allowed number of lines exceeded, <223> Other Information: L:1407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:1920 L:1804 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:90 L:1812 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:90 L:1818 M:259 W: Allowed number of lines exceeded, <223> Other Information: L:1819 M:259 W: Allowed number of lines exceeded, <223> Other Information: L:1854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:1920 L:2108 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:110 L:2126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:600